

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

"TARGET ANALTYE SENSORS UTILIZING MICROSPHERES"

the specification of which (check one)

[] is attached hereto.

[x] was filed on September 11, 1998 as United States Application Serial No. 09/151,877 and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. §1.56(a).

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney or agent to prosecute this application and transact all business in the Patent and Trademark Office connected therewith; and, in addition, to file and prosecute an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states:

R. Dennis Creehan
Reg. No. 39,950

SEND CORRESPONDENCE TO:

R. Dennis Creehan
P.O. Box 750070
Arlington Heights, MA 02475-0070

DIRECT TELEPHONE CALLS TO:

R. Dennis Creehan
(617) 797-2627

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: David R. Walt

Inventor's signature: David R. Walt Date: 10/20/98

Residence: Lexington, Massachusetts Citizenship: U.S.A.

Post Office Address: 4 Candlewick Close
Lexington, MA 02178

Full name of second inventor: Karri L. Michael

Inventor's signature: Karri Michael Date: 10/20/98

Residence: Somerville, MA 02145 Citizenship: U.S.A.

Post Office Address: 77 Partridge Ave.
Somerville, MA 02145

Joint

ASSIGNMENT

WHEREAS, we, David R. Walt and Karri Lynn Michael have invented a certain improvement in FIBER OPTIC SENSOR WITH ENCODED MICROSPHERES described in an application for Letters Patent of the United States, Serial No. 08/818,199, filed March 14, 1997.

WHEREAS, Trustees of Tufts College (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at Medford, Massachusetts 02155 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution

of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives;

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor: David R. Walt
David R. Walt

State/Commonwealth
of MASSACHUSETTS
County of MIDDLESEX

Then personally appeared before me the above-named David R. Walt and acknowledged that he executed the foregoing instrument as his free act and deed this twelfth day of May, 1997.

(SEAL)

Agnes R. MacDonald Notary Public
Agnes R. MacDonald (print name)
My Commission expires 12/ 25/ 2003

Inventor:

Karri Lynn Michael
Karri Lynn Michael

State/Commonwealth

of Massachusetts

County of Middlesex

Then personally appeared before me the above-named
Karri Lynn Michael and acknowledged that he
executed the foregoing instrument as his free act and
deed this twelfth day of MAY, 1997.

(SEAL)

Agnes R. Macdonald Notary Public

Agnes R. Macdonald (print name)

My Commission expires 12 / 25 / 2003

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